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HAZLETON LABORATORIES,

INCORPORATED

Falls Church, Virginia

December 1, 1962

REPORT GROUP

NO. 30

Contract No. DA 18-108-405-CML-826

ASTIA  
DEC 18 1962  
NSA

I. Basic Screening

A. Compounds Screened - November  
Page 1 of 2 pages

Compound	Symbol	Dose Range			CAR*	SPE*	VDT*
		Mouse	Cat	Dog			
CS	1667	.	.	.	.	x	
CS	1668	.	.	.	.	x	
CS	1670	.	.	.	.	x	
CS	3070	.	.	.	.	x	
CS	15705	.	.	.	.	x (2)	
CS	18632	.	x	x	x	x	
CS	20443	.	x	x	x	x	
CS	23099N	.	.	.	.	x	
CS	24100	.	.	.	.	x	
CS	24101	.	.	.	.	x	
CS	25037	.	.	.	.	x	
CS	26989	.	.	.	.	x	
CS	27002	.	.	.	.	x	
CS	27047	.	.	.	.	x	
CS	27048	.	.	.	.	x	
CS	27049	.	.	.	.	x	
CS	27051	.	.	.	.	x	
CS	27055	.	.	.	.	x	
CS	27335	.	.	.	.	x	
CS	28693	.	.	.	.	x	
CS	28694	.	.	.	.	x	
CS	28697	.	.	.	.	x	
CS	28883	.	x	x	x	x	
CS	28884	x	x (2)				
CS	28885	.	x	x	x	x	
CS	29212	.	x	x	x	x	
CS	29449	.	x	x	x	x	
CS	29537	.	.	.	.	x	
CS	29541	.	.	.	.	x	
CS	29557	.	.	.	.	x	
CS	29567	.	.	.	.	x	
CS	29703	.	.	.	.	x	
CS	29611	.	.	.	.	x	
CS	29613	.	.	.	.	x	
CS	29614	.	.	.	.	x	
CS	29885	.	x	x	x	x	
CS	29893	.	x	x	x (2)	x	
CS	30612	.	.	.	.	x	
CS	30615A	.	.	.	.	x	

(continued on next page)

\* CAR = Conditioned Avoidance Response SPE = Sustained Physical Exercise  
VDT = Visual Discrimination Test

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A. Compounds Screened - November (continued)  
 Page 2 of 2 pages

Compound	Symbol	Dose Range			CAR*	SPE*	VDT*
		Mouse	Cat	Dog			
CS	30762	.	x	x		x	x
CS	30801	.					x
CS	30802	.					x
CS	30804	.					x
CS	31619	.					x
CS	33510	.	x	x		x	x
CS	33512	.	x	x		x	x
CS	33527	.	x				
CS	33536	.	x				
CS	33538	.	x	x		x	x (2)
CS	33539	.	x				
CS	33579	.	x				
EA	2131	.		x	x	x	x
EA	2723	.					x
EA	2888	.					x
EA	3033	.					x
EA	3041	.					x
EA	3047	.					x
EA	3152	.					x
EA	3155	.					x
EA	3170	.					x
EA	3204	.					x (2)
EA	3305	.					x (2)
EA	3306	.	x (2)	x (2)	x (2)	x	x
EA	3308	.			x		x
EA	3333	.					x
EA	3392	.	x	x (2)	x	x (2)	x (2)
EA	3435	.					x (2)
EA	3443	.	x (2)	x (2)	x	x	x (15)
	92864	.				x	
Total		8	20	21	2	22	20
							72

\* CAR = Conditioned Avoidance Response SPE = Sustained Physical Exercise  
 VDT = Visual Discrimination Test

B. Compounds To Be Screened - December

Compound Symbol	Dose Range		CAR*	SPE*	VDT*
	Cat	Dog			
CS 17775					x
CS 18632					x
CS 19177	x	x	x	x	x
CS 20443					x
CS 27056					x
CS 28325					x
CS 28883					x
CS 28885					x
CS 29212					x
CS 29449					x
CS 29666	x	x	x	x	x
CS 29885					x
CS 29893					x
CS 30762					x
CS 31620					x
CS 31621					x
CS 31622					x
CS 31623					x
CS 31624					x
CS 31643					x
CS 33510					x
CS 33512					x
CS 33538					x
EA 2131					x
EA 3348	x	x	x	x	x
EA 3349					x
EA 3360					x
EA 3365					x
EA 3407					x
EA 3439	x	x	x	x	x
CBA 92837					x
SKF 12430-J					x
2-thiocyanato- pyridine-1-oxide					x
Total	4	4	4	4	33

\* CAR = Conditioned Avoidance Response    SPE = Sustained Physical Exercise  
 VDT = Visual Discrimination Test

C. Difficulties Encountered - None

II. Primary Mouse Skin Penetration Program

A. Completed

Skin screening of 10 compounds and the results are submitted.

B. Projected - None

C. Difficulties Encountered - None

III. Secondary Rabbit Skin Penetration Program

- A. Completed - None
- B. Projected - None
- C. Difficulties Encountered - None

IV. Preclinical Pharmacology Program

A. Completed

Preclinical toxicology in rats and dogs on EA 3164 and EA 3186.

B. Projected

1. Preclinical toxicology in monkeys on EA 2233, EA 2233 Isomer 2, and EA 2233 Isomer 4.

2. Preclinical toxicology in rats and dogs on EA 2233 Isomer 2 and EA 2233 Isomer 4.

C. Difficulties Encountered - None

V. Additional Effort Requirements

A. Completed

Antagonism of the effects of BZ in the Sidman nondiscriminated avoidance response test in monkeys.

B. In Progress

1. Two tolerance studies of BZ in the CAR test in dogs.
2. A tolerance study of EZ in the SPE test in dogs.
3. A tolerance study of scopolamine in the multiple stimulus CAR test in dogs.
4. A tolerance study of scopolamine in the SPE test in dogs.